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## TECHNICAL POSSIBILITY OF SEAT-ORIENTED SCENTINGIONISATION IN A VEHICLE TAKING INTO ACCOUNT SEAT RECOGNITION AND A CORRESPONDING REACTION

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## TECHNICAL POSSIBILITY OF SEAT-ORIENTED SCENTING/IONISATION IN A VEHICLE TAKING INTO ACCOUNT SEAT RECOGNITION AND A CORRESPONDING REACTION

### **Initial situation:**

Today's vehicles are equipped with simple scenting and/or ionisation devices. At present, the entire vehicle interior is exposed to air.

### **Disadvantage:**

As already known, the interior can also be scented according to the seating position. This can lead to an impairment of the desired function during certain driving manoeuvres (e.g. left and right - different scenting). If, in addition, e.g. the passenger seat is not occupied, this can give an undesired "scent effect" in the interior.

### **Solution:**

The core of the idea is the evaluation of the seat occupancy and a corresponding deactivation of the scenting for the respective unoccupied seat. The customer should have the possibility to pre-select the scenting according to his wishes. Different scents can be selected for the corresponding seats (e.g. front seats). Seat recognition and/or camera monitoring of the seats should then make it possible to detect whether the seat is occupied.

If the seat is not occupied, then no scenting should be carried out for the seat. Furthermore, the airbag deactivation (especially for the passenger seat) can be evaluated.

If the airbag deactivation is active, a child seat with a child (or similar) is probably present.

In this case, scenting should also not be used.

These features can also be selected and set by the customer.

Further expansion stages (e.g. for 4-zone scenting) can be derived from the variant listed above.

A corresponding user interface must be provided for this.

### **Advantage:**

With this device, passengers have the possibility to set a customer-oriented scenting in the vehicle and if the seat is not occupied, the scenting can be switched off automatically. Thus, the customer can save fragrance and gets a higher comfort in the vehicle.

### **Technical implementation:**

- Vehicle with scenting system and seats with seat recognition and airbag deactivation.
- Control unit with corresponding software.
- Operating and display unit for the customer, for the corresponding setting of the function.